

**RESEARCH ACTIVITIES** at the University are conducted through close interaction between the faculty members and the staff of the University's 4 research institutes.

The Physics and Technology Institute, one of the first Russian research institutes was established in 1931. The Chemistry Institute was founded in 1944. The Applied Mathematics and Cybernetics Institute, created in 1963, was the first Russian institute of its kind. The Research Institute of Mechanics followed in 1974

The facilities of these institutes and our superb school of science provide students with unique opportunities for research.

### THE LIBRARY

The library was founded at the same time as the University. Its collection currently has 1,240,000 volumes in different languages. The library has received a copy of every book published in this country since 1946. Rare books in the library's collection include essays on Old and New Testament chronology by Heinrich Wolfius, works of Erasmus of Rotterdam published by Dutch printers in XVI century, ancient Russian books, decrees by Peter the Great and the famous "Encyclopedie ou Dictionnaire raisonne des sciences, des arts et des metiers" edited by Diderot.

### INTERNATIONAL RELATIONS

The University of Nizhni Novgorod engages in on-going collaboration with leading universities and centres of scientific research in Europe and America. Besides maintaining traditionally strong ties with our colleagues in the Commonwealth of Independent States, UNN has already established partnership with the Coalition of Christian Colleges of the United States and Canada, Shawnee State University (USA), the University of Calabria (Italy), etc.

The University of Nizhni Novgorod is now prepared to offer foreign students courses of study in English in certain disciplines. These programmes culminate in a bachelor's degree, master's degree or doctorate of philosophy.

### STUDENT LIFE

An attractive feature of UNN is its location in the 3rd largest city of Russia, a city of great cultural and historical significance. Furthermore, the University itself provides extra-curricular activities through its: sports complex, stadium, ski depot, health clinic and rest house, bar and cafe.

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## UNIVERSITY OF NIZHNI NOVGOROD



- \* 1918 The University is founded.
- \* 1945 UNN establishes the first Radiophysics Faculty in Russia.
- \* 1963 UNN establishes the first Computer Science and Cybernetics Faculty.
- \* 1992 UNN is the first university in Russia accredited by the State Board of Education in accord with new legislation.
- \* 1993 UNN is one of the leading Russian universities with a solid technical foundation and established scientific tradition.



## GENERAL INFORMATION

### Location

In the city of Nizhni Novgorod (population about 2 mill.), on the Volga river, in the very heart of Russia.

### Type

Comprehensive, state-run institution of higher education.

### Size

Over 9,000 students and about 900 faculty members. 4th university in Russia.

### Admission

Selective on the basis of entrance examinations.

Student-Faculty Ratio: 10 to 1.

### Degrees offered

B.A., B.S.,

M.A., M.S.,

Diploma (full higher education)

Candidate of Science (Ph. D.)

Doctor of Science (advanced Ph.D degree)

### Financial Aid

All students receive stipends provided by the state.

### Who hires UNN graduates

Major research institutes, universities, industrial companies, administrative and commercial structures.

## Faculties

Mechanics and Mathematics
Computer Science and Cybernetics
Advanced School of General and Applied Physics
Applied Physics and Microelectronics
Radiophysics
Chemistry
Biology

History
Philology
Economics
Law

## Majors

Mechanics
Mathematics
Applied Mathematics

Scientific and Technical Information Systems
Applied Mathematics

Physics
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Solid State Physics
Physics and Production Engineering of Electronic Materials and Components
Microelectronics and Semiconductors

Radiophysics and Microelectronics
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Chemistry
Chemistry and Production Engineering of Electronic Materials

Biology
Biophysics

History
Political Science
Sociology
Social Work

Russian and Literature
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Economics and Management
Social Planning
Research and Development Management

Law
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## Areas of concentration include:

Optimization and CAD of Deformable Systems, Theory of Functions, Algebra and Numbers Theory

Mathematical Modelling, Decision-Making Theory, Systems Programming and Information Management

Theoretical Physics, Plasma Physics, Laser Physics

Physical Materials Science, Physics of Semiconductors and Dielectrics

Electrodynamics, Quantum Radiophysics, Non-Linear Oscillations and Waves, Radioastronomy, Radio Engineering, Radiooptics and Holography, Radiowave Propagation

Non-Organic Chemistry, Organic Chemistry, Chemistry of High-Purity Substances, Chemical Engineering

Botany, Zoology, Genetics, Biophysics, Immunology

History of Russia, History of Religions and Culture, Archive Studies

Russian, Literature, Journalism

Marketing, Economics and Entrepreneurship in Industry, Industrial Production Management

Court proceedings, Criminal and Civil Law